

## ABSTRACT

Microencapsulated and/or enteric coated compositions containing a mixture of probiotics, prebiotics and ammoniaphilic bacteria with high urease activity with or without sorbents with specific adsorption affinities for uremic toxins such as creatinine, uric acid, phenols, indoles, middle molecular weight molecules and inorganic phosphate and water absorbents are provided. Also provided are methods of alleviating symptoms of uremia in a patient which comprises administering orally to a patient suffering from uremia a microencapsulated and/or enteric-coated composition.